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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.
09/013,021	01/26/98	BURNS	J 94680-US

MARKS & CLERK
55 METCALFE STREET
SUITE 1380
PO BOX 957 STATION B
OTTAWA ON K1P 5S7
CANADA

LM02/0620

EXAMINER

QURESHI, A

ART UNIT

PAPER NUMBER

2738

AIR MAIL

DATE MAILED:

06/20/00

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner of Patents and Trademarks



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office

NOTICE OF ALLOWANCE AND ISSUE FEE DUE

LM02/0620

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55 METCALFE STREET
SUITE 1380
PO BOX 957 STATION B
OTTAWA ON K1P 5S7

APPLICATION NO.	FILING DATE	TOTAL CLAIMS	AIR MAIL EXAMINER AND GROUP ART UNIT	DATE MAILED
09/013,021	01/26/98	018	DURESHI, A	2738 06/20/00
First Named Applicant	BURNS, 25 USC 154(b) term ext. = 0 Days.			

TITLE OF INVENTION

SWITCHED CONNECTIONS DIAGNOSTICS IN A SIGNALLING NETWORK

ATTY'S DOCKET NO.	CLASS-SUBCLASS	BATCH NO.	APPLN. TYPE	SMALL ENTITY	FEE DUE	DATE DUE
2	94680-IIS	370-216,000	034	UTILITY	NO \$1210.00	09/20/00

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED.

THE ISSUE FEE MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED.

HOW TO RESPOND TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

- A. If the status is changed, pay twice the amount of the FEE DUE shown above and notify the Patent and Trademark Office of the change in status, or
- B. If the status is the same, pay the FEE DUE shown above.

If the SMALL ENTITY is shown as NO:

- A. Pay FEE DUE shown above, or
- B. File verified statement of Small Entity Status before, or with, payment of 1/2 the FEE DUE shown above.

II. Part B-Issue Fee Transmittal should be completed and returned to the Patent and Trademark Office (PTO) with your ISSUE FEE. Even if the ISSUE FEE has already been paid by charge to deposit account, Part B Issue Fee Transmittal should be completed and returned. If you are charging the ISSUE FEE to your deposit account, section "4b" of Part B-Issue Fee Transmittal should be completed and an extra copy of the form should be submitted.

III. All communications regarding this application must give application number and batch number. Please direct all communications prior to issuance to Box ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PATENT AND TRADEMARK OFFICE COPY

Notice of Allowability

Application No.
09/013,021

Applicant(s)
BURNS et al.

Examiner
Afsar M. Qureshi

Group Art Unit
2738



All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance and Issue Fee Due or other appropriate communication will be mailed in due course.

☒ This communication is responsive to amendment received on May 17, 2000 and subsequent telephone interview on

☒ The allowed claim(s) is/are 9, 11-27 now renumbered as 1-18

☐ The drawings filed on _____ are acceptable.

☐ Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d).

☐ All ☐ Some* ☐ None of the CERTIFIED copies of the priority documents have been

☐ received.

☐ received in Application No. (Series Code/Serial Number) _____

☐ received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

*Certified copies not received: _____

☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).

A SHORTENED STATUTORY PERIOD FOR RESPONSE to comply with the requirements noted below is set to EXPIRE **THREE MONTHS** FROM THE "DATE MAILED" of this Office action. Failure to timely comply will result in ABANDONMENT of this application. Extensions of time may be obtained under the provisions of 37 CFR 1.136(a).

☐ Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL APPLICATION, PTO-152, which discloses that the oath or declaration is deficient. A SUBSTITUTE OATH OR DECLARATION IS REQUIRED.

☒ Applicant MUST submit NEW FORMAL DRAWINGS

☐ because the originally filed drawings were declared by applicant to be informal.

☒ including changes required by the Notice of Draftsperson's Patent Drawing Review, PTO-948, attached hereto or to Paper No. 5.

☐ including changes required by the proposed drawing correction filed on _____, which has been approved by the examiner.

☐ including changes required by the attached Examiner's Amendment/Comment.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the reverse side of the drawings. The drawings should be filed as a separate paper with a transmittal letter addressed to the Official Draftsperson.

☐ Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Any response to this letter should include, in the upper right hand corner, the APPLICATION NUMBER (SERIES CODE/SERIAL NUMBER). If applicant has received a Notice of Allowance and Issue Fee Due, the ISSUE BATCH NUMBER and DATE of the NOTICE OF ALLOWANCE should also be included.

Attachment(s)

☐ Notice of References Cited, PTO-892

☐ Information Disclosure Statement(s), PTO-1449, Paper No(s). _____

☐ Notice of Draftsperson's Patent Drawing Review, PTO-948

☐ Notice of Informal Patent Application, PTO-152

☒ Interview Summary, PTO-413

☒ Examiner's Amendment/Comment

☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material

☒ Examiner's Statement of Reasons for Allowance

ALPUS H. HSU
PRIMARY EXAMINER

Art Unit: 2738

Allowable Subject Matter

1. Claims 9, 11-27 (now renumbered as 1-18) are allowed.

The following is an examiner's statement of reasons for allowance:

All the prior art of record fails to disclose a method of detecting and disclosing faults in a network having a plurality of nodes. The method including the steps of collecting diagnostic data from each node identifying the node and the physical trunk group on each attempted route and returning the diagnostic data in the call set up messages and having means to analyze the data in order to identify the source of a failure as stated in application claims 9, 13, 15, 21 and 22 herein.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

2. Any inquiry concerning this communication or earlier communications from the examiner should be directed to *Afsar M. Qureshi* whose telephone number is (703) 308-8542. The examiner can normally be reached on Monday through Friday from 8:00 to 5:00.

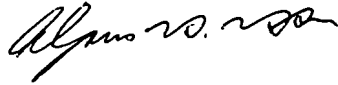
Art Unit: 2738

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, **Hassan Kizou**, can be reached on (703) 305-4744.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 305-3900.

Afsar M. Qureshi

June 14, 2000


ALPUS H. HSU
PRIMARY EXAMINER

8/13

Art Unit: 2738

Examiner's Amendment

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with George MacGregor on June 14, 2000.

2. The application has been amended as follows:

a) **Claim 8 is canceled** without prejudice or disclaimer

b) In claim 11 " A method as claimed in claim 10---" has been changed to " **A method as claimed in claim 9---**".

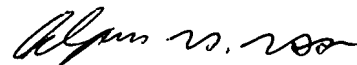
c) In claim 12 " A method as claimed in claim 10---" has been changed to " **A method as claimed in claim 9---**".

d) In claim 27 " A method as claimed in claim 27---" has been changed to " **A method as claimed in claim 9---**".

Any inquiry concerning this communication or earlier communications from the examiner should be directed to *Afsar M. Qureshi* whose telephone number is (703) 308 8542.

AFSAR M. QURESHI

June 14, 2000



ALPUS H. HSU
PRIMARY EXAMINER